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| FORM PTO-1390)<br>(REV. 10-2003)   |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER<br><b>396.44480X00</b>                            |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371   |  |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>TBD 396.44480X00</b> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/JP03/06127</b>   | INTERNATIONAL FILING DATE<br><b>May 16, 2003</b> | PRIORITY DATE CLAIMED<br><b>June 7, 2002</b>            |  |
| TITLE OF INVENTION<br><b>METHOD FOR CLARIFYING EXHAUST GAS</b>   |  |   |  |
| APPLICANT(S) FOR DO/EO/US<br><b>OHTSUKA, KENJI; ARAKAWA, SATOSHI AND OCHI, KOSHI</b>   |  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |   |  |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office(RO/US)</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Credit Card Payment Form; Copy of PCT Request, Copy of title page of PCT publication; Form PCT/IB/304 (Notification Concerning Submission or Transmittal of Priority Document), Form PCT/IB/308 (Notice Informing The Applicant of the Communication of the International Application to the Designated Offices); Copy of Demand For International Preliminary Examination; and a Copy of the IPER.</p> |  |   |  |

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| U.S. APPLICATION NO. <b>10/516826</b><br><small>(If known, see 37 CFR 1.53)</small> |  | INTERNATIONAL APPLICATION NO.<br><b>2002-166672</b> |  | ATTORNEY'S DOCKET NUMBER<br><b>396.44480X00</b> |  |
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|  |              |              |            |                                  |    |
|--|--------------|--------------|------------|----------------------------------|----|
| 21. <input type="checkbox"/> The following fees are submitted:<br><b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1) - (5)):</b><br>Neither international preliminary examination fee (37 CFR 1.482)<br>nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO<br>and International Search Report not prepared by the EPO or JPO.....\$1,110.00<br><br>International preliminary examination fee (37 CFR 1.482) not paid to<br>USPTO but International Search Report prepared by the EPO or JPO.....\$950.00<br><br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO<br>but international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$790.00<br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>but all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$750.00<br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00<br><br><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> |              |              |            | <b>CALCULATIONS PTO USE ONLY</b> |    |
|  |              |              |            | \$ 950.00                        |    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months<br>from the earliest claimed priority date (37 CFR 1.492(e)).  |              |              |            | \$                               |    |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA | RATE       | \$                               |    |
| Total Claims   | 34 - 20 =    | 14           | x \$18.00  | \$ 252.00                        |    |
| Independent Claims   | 2 - 3 =      | 0            | x \$88.00  | \$                               |    |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable)   |              |              | + \$300.00 | \$                               |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |              |            | <b>\$ 1,202.00</b>               |    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above<br>are reduced by 1/2.  |              |              |            | \$                               |    |
| <b>SUBTOTAL =</b>  |              |              |            | <b>\$ 1,202.00</b>               |    |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months<br>from the earliest claimed priority date (37 CFR 1.492(f)).   |              |              |            | \$                               |    |
| <b>TOTAL NATIONAL FEE =</b>  |              |              |            | <b>\$ 1,202.00</b>               |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be<br>accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |              |            | \$ 40.00                         |    |
| <b>TOTAL FEES ENCLOSED =</b>   |              |              |            | <b>\$ 1,242.00</b>               |    |
|  |              |              |            | Amount to be<br>refunded:        | \$ |
|  |              |              |            | charged:                         | \$ |

a. ☐ A check in the amount of \$ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. **01-2135** in the amount of \$ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

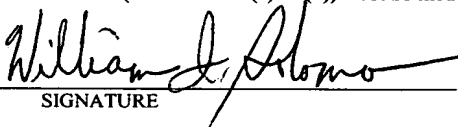
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
overpayment to Deposition Account No. **01-2135 (Case No. 396.44480X00)**. A duplicate copy of this sheet is enclosed.

d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card  
information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed  
and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**ANTONELLI, TERRY, STOUT & KRAUS, LLP**  
 1300 North 17<sup>th</sup> Street - Suite 1800  
 Arlington, VA 22209

  
 SIGNATURE  
 William I. Solomon  
 NAME  
 28,565  
 REGISTRATION NO.